

Amendments to the Claims:

1 through 14 (canceled)

15. (currently amended) An electrophoretic apparatus for controlling the movement of a sample component in a fluid sample comprising:

- (a) at least one injection fluid pathway having an inlet;
- (b) a first electrode mounted at said inlet of said injection fluid pathway;
- (c) at least one separation fluid pathway having an inlet, said separation fluid pathway being in fluid communication with said injection fluid pathway at said inlet;
- (d) a second electrode mounted at said inlet of said separation fluid pathway;
- (e) at least one power supply for providing voltage to said first and second electrodes;
- (f) means for delivering said fluid sample having said sample component into said injection fluid pathway at a desired flow rate; and
- (g) means for adjusting said voltage on said first and second electrodes to an amount whereby said sample component electrophoretically migrates toward said second electrode at a rate equal and opposite to said flow rate of said fluid sample, so that the movement of said sample component in said fluid sample ceases at said inlet of said separation fluid pathway, and so that said sample component may be withdrawn through said separation fluid pathway.

16. (previously presented) The method of claim 15 wherein said injection and separation fluid pathways are channels in a microchip.

17. (previously presented) The method of claim 15 wherein said injection and separation fluid pathways are capillaries.